

Audiovisual Archive Network (AVAN)

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Time-based Media Issues

- ☐ Data size
- ☐ Proprietary creation formats
- ☐ Migrating formats
- ☐ Migrating media
- ☐ Magnetic media **MUST** be digitized for preservation: AV collections are mix of “born digital” and “re-born digital”

Audiovisual Archive Network

An independent non-profit digital preservation service for historical (primary source) sound and moving image content.

Audiovisual Archive Network

Created to fill a digital preservation need for non-profit organizations and individual creators that/who:

- ☐ lack infrastructure to build their own services
- ☐ don't want to internally preserve large AV files

Audiovisual Archive Network

Media types: audio, moving image, static (still images, documents, software programs)

Content types: anything (the service is not curated) (event documentation, performances, interviews, oral histories, newsfilm, newsreels, radio and television broadcasts, home movies, outtakes, internet art, etc.)

Development

- 2008:** Business plan (funded by Mellon Foundation; fiscal sponsor: AMIA). Identified services, business structure, revenue streams, sustainability plan, financial projections. Originally envisioned as both preservation service and aggregated library (access).
- 2009:** Incorporated as a 501(c)3 in California. Board installed, technical infrastructure and implementation plan developed

Development

Since 2010: Fundraising, building partnerships.

Potential funders were hesitant to support first-year operating expenses for a new non-profit, even though they recognized the need.

Digital Repository Service

2013: Decision to focus on building digital repository service preservation first.

- ❑ Potential users stressed that the library would be nice, but what they **needed** was help with digital preservation.
- ❑ Others are working in the access space, but limited growth in the dedicated AV preservation sphere.

UCLA Library Partnership

November 2013:

Entered agreement with UCLA Library to host AVAN.

- ❑ UCLA Library will use AVAN to preserve its time-based media files, and incorporate it into a regional repository model.
- ❑ AVAN retains its independent 501(c)3 status, and is open to any non-profit organization (educational, cultural, government) and individual creator.

UCLA Library Partnership

- ❑ AVAN will use the UCLA IT infrastructure for its technology backbone.
- ❑ Digital Archivists will be located on campus (2 FTE)

Project: Building a Trusted Digital Repository Model for Time-Based Resources

- ☐ OAIS without a required SIP format
- ☐ Extensive pre-ingest file analysis
- ☐ Ongoing fixity and format obsolescence checks
- ☐ Storage model: offline (LTO6/LTFS), 3 copies geographically dispersed in highly secure environments
- ☐ 12-month project

Sharing Results With Community

- ❑ Time metrics for fixity checks and file and media migrations
- ❑ Metadata model (draft model currently has 80 technical and preservation data elements)
- ❑ Architecture and workflow

Architecture

Integrating three components:

1. File analysis
2. Ingest into digital preservation system
3. Robotic system for copying files to tape and automated health checks

Project build partners

- * UCLA Library
- * California Audiovisual Preservation Project (CAVPP)
- * Hoover Institution (Stanford University)
- * Media Archives and Peabody Awards Collection (University of Georgia)
- * California Institute of the Arts Moving Image Archive
- * Stanford University Libraries

Content partners' formats

File formats: WAV, MP3, MPEG4, .vob,
uncompressed 10-bit, ProRes 422, XDCAM
(MXF-wrapped MPEG2/35 Mbps),
JPEG2000, DV

Wrappers/Containers: MXF, MOV, AVI

Metadata: MARC, PBCore, local (.CSV),
collection record, minimal data (title and
date), filename only

Funding

External support needed for first 3 years, then self-sustaining.

Pricing model: one-time costs: file processing, writing to tape, storage media. Ongoing cost: offline storage. Fixity checks included in ongoing cost.

Goal: Keep costs low so fees to users are low while maintaining highly managed, secure digital preservation actions.

Thank you

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